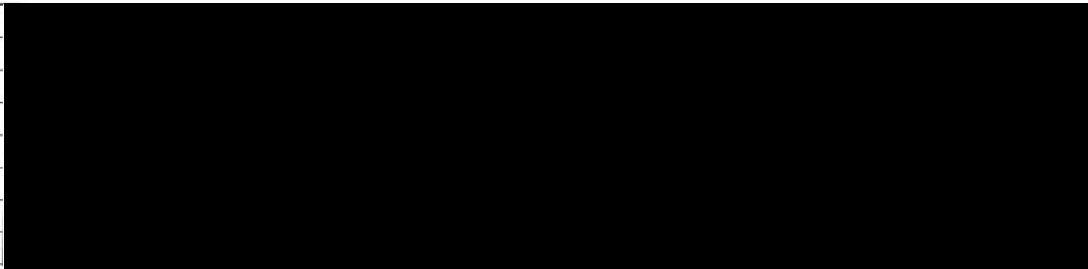


Operational Readiness, Training and Engineering

Group 1: Core

Module 2: Combat Systems Engineering

Updated 15 March 2010



Course Grade Weighting:

Check on Learning (COL) Quizzes (3 total)	15%
Combat Systems Engineering Exam	85%

ORT&E References:

References	
CSE CBT's	CSE CBTs
CSE N73 Training Guide:	N73 Student Training Guides (TGs)
CSE N74 Trng Guide	N74 Student Training Guides (TGs)

Group 1: Core

Module 2: Combat Systems Engineering

Lesson 1-2-1: Introduction to Combat Systems Engineering

Time Req.

Section 1-2-1-1: Introduction to Combat Systems Engineering

0.5 hr

CBT Lesson(s): NA

Required Reading: NA

Lesson 1-2-2: Mechanical Power

Section 1-2-2-0: Steam, Diesel, Gas Turbine Engines (N74)

1.5 hrs

Homework/Read Ahead Assignments:

CBT Lesson(s): NA

Required Reading:

Section 1-2-2-1: Drive Train (N74)

0.5 hrs.

Homework/Read Ahead Assignments:

CBT Lesson(s):

Required Reading:

Lesson 1-2-3: Ship Control and Steering

Section 1-2-3-1: Control and Steering Systems (N74)

1.5 hrs

Homework/Read Ahead Assignments:

CBT Lesson(s): CSE, Control, slides 1-31

1.0 hr

Required Reading:

Lesson 1-2-4: Tactical Propulsion Operations

Section 1-2-4-1: Tactical Propulsion Operations

1.0 hr

Homework/Read Ahead Assignments:

CBT Lesson(s):

Required Reading:

Lesson 1-2-5: Power			
Section 2-1-4-1: Electronic Maintenance			1.5 hrs
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
NEETS Mod 01 Summary, pp. 59-74			0.5 hr
Section 1-2-5-2: Power Generation (N74)			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
NEETS Mod 2 summary, pp. 35-42			0.5 hr
NEETS Mod 5 summary, pp. 76-81			0.5 hr
Section 1-2-5-3: Electric Motors (N74), Synchros & Servos (N73)			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
NEETS Mod 15 summary, pp. 1-44 to 1-55; 2-22 to 2-26,			0.5 hr
Section 1-2-5-4: Power Management			1.5 hrs
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
Section 1-2-5-5: Degaussing (N74)			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): CSE, Degaussing, slides 70 - 94			1.0 hr
Required Reading:			
Lesson 1-2-6: Cooling			
Section 1-2-6-1: Valves & Piping (N74)			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
Section 1-2-6-3: Pumps and Hydraulics (N74)			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
Section 1-2-6-4: Heat Exchangers			0.75 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Suggested Reading: NSTM Chap 532, Electronic Cooling Systems			
Section 1-2-6-5: Air Conditioning and Refrigeration (N74)			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading: (Engineering References subfolder)			
Basic Principles of Refrigeration, pp. 1-9. "AC&R"			0.5 hr
Section 1-2-6-6: Combat Systems Support Equipment and Electronic Support Systems			0.75 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Suggested Reading: NSTM Chap 551, Compressed Air Systems			

		Section 1-2-6-7: In Space Ventilation	1.0 hr
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): CSE, Air, slides 32 - 69	1.0 hr
		Required Reading:	
		Section 1-2-6-8: Gauge Calibration (N74)	1.0 hr
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		Section 1-2-6-9: Elevators, Conveyors (N74)	1.0 hr
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): CSE, Elevators, Conveyors and Hoists, slides 140 - 176	1.0 hr
		Required Reading:	
		Lesson 1-2-7: Sensors	
		Section 1-2-7-1: Electromagnetic Wave Fundamentals	1.0 hr
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		NEETS MOD 10, pp. 45-50	0.5 hr
		Section 1-2-7-2: Radar Performance Factors	1.0 hr
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		NEETS MOD 18, pp.45-49	0.5 hr
		Section 1-2-7-3: Hazards of Electromagnetic Radiation and Electromagnetic Interference	1.0 hr
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		OP 3565, VOL. 1, Ch. 3; VOL. 2, Ch. 1.	0.5 hr
		Section 1-2-7-4: Antenna Maintenance	1.0 hr
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		Section 1-2-7-5: Micro-Miniature Repair (2M)	1.0 hr
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading: CFFCINST 4790.3, Vol 6, Chap 8 2M, Chap 9 METCAL.	
		Available: http://www.submepp.navy.mil/fmm/index.htm	
		Lesson 1-2-8: Corrosion Control	
		Section 1-2-8-1: Corrosion Control	1.0 hr
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		Lesson 1-2-9: Major Coating Systems	
		Section 1-2-9-1: Major Coating Systems	0.5 hr.
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		Lesson 1-2-10: Underwater Hull Cleaning	
		Section 1-2-10-1: Underwater Hull Cleaning	0.5 hr
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	

Lesson 1-2-11: Maintenance Administration			
Section 1-2-11-1: Maintenance and Material Management System			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): CSE, Maintenance and Material Management, slides 177 - 206			1.0 hr
Required Reading:			
SURFOR Back to Basics Msg (3M);			0.5 hr
OPNAV INSTRUCTION 4790.4D			0.5 hr
ARLEIGH BURKE 3M LESSONS LEARNED			0.5 hr
Section 1-2-11-2: Current Ship's Maintenance Project and 8 O'clock Reports			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
JFMM, VOL 2, Pt. 2, Ch. 1			0.5 hr
Section 1-2-11-3: Combat Systems Smooth Log			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): CSE, Weapons, Slides 95 - 139			1.0 hrs
Required Reading:			
WFIP 52F			0.5 hr
Section 1-2-11-4: OMMS-NG			1.5 hrs
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
Section 1-2-11-5: 3M Work Candidate Training			1.0 hrs
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading: COMFLTFORCOMINST 4790.3 (series)			
Section 1-2-11-6: 3M Resources and ATG Toolbox			2.0 hrs
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading: CNSFINST 4790.1E: 3M Assessment and Certification Program			
Section 1-2-11-7: 3M Schedule			2.0 hrs
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading: NAVSEAINST 47908B, Chg 3, pp 1-59			
Section 1-2-11-8: 3M Schedule Lab			3.0 hrs
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
Lesson 1-2-12: Operations, Maintenance and Safety Procedures			
Section 1-2-12-1: Combat Systems Operational Sequencing System			1.5 hrs
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
CSOSS Book 3, User's Guide, Ch. 1, Ch 6			0.5 hr
Section 1-2-12-2: Aloft (N03)			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
Section 1-2-12-3: Shipboard Electronic Readiness Team			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			

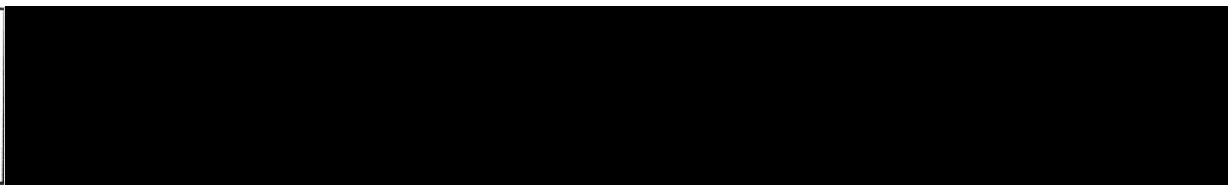
Lesson 1-2-13: Assessment			
Section 1-2-13-1: Zone Inspections			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
CNSF 3120.1 Zone Inspections		0.5 hr	
SURFOR Msg - BACK TO BASICS ZONE INSPECTIONS		0.5 hr	
Section 1-2-13-2: Board of Inspection and Survey			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
CSOSS User's Guide, Ch. 1		0.5 hr	
Section 1-2-13-3: Material Assessment			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading: NA			
Section 1-2-13-4: Distance Support			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading: NA			
Section 1-2-13-5: Continuous Maintenance			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading: NA			
Section 1-2-13-6: C5I Installations			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading: NA			
Lesson 1-2-14: Command and Control			
Section 1-2-14-1: Communications Security Material System/Electronic Key Management System			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
Section 1-2-14-2 COMSEC (GUEST LECTURER when available)			1.0 hr
Homework/Read Ahead Assignments: (Guidance for EKMS Procedures)			
COMNAVSURFOR INSTRUCTION 2280.1		0.5 hr	
Section 1-2-14-3: CDO Perspective, MLOCS			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
Lesson 1-2-15: SRA/FMAV			
Section 1-2-15-1: SRA/FMAV			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading: JFMM, VOL 2, Pt. I, Ch. 3 & 4 (Review)			
Lesson 1-2-16: CSE Seminar			
Section 1-2-16-1: CSE Seminar (When available)			2.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
Lesson 1-2-17: CSE Review			
Section 1-2-17-1: CSE Review			2.0 hrs
Lesson 1-2-18: CSE Exam			
Section 1-2-18-1: CSE Exam			2.0 hr

Operational Readiness, Training and Engineering

Group 1: Core

Module 3: Department Head Administration

Updated 18 March 2010



Homework: Assignments are required to be completed prior to the convening of the first class of the day. Check on learning quizzes will be administered in

Course Grade Weighting:

Check on Learning (COL) Quizzes (1)		20%
DH Administration Exam		80%

DH Admin Links:

DH Admin TGs:	Student Training Guides	
ORT&E References:	References	
Trainee Materials	Materials & Additional References	
CBTs	CBTs: ORT&E; DH Admin	

Group 1: Core

Module 3: DH Admin	Time Req.
Lesson 1-3-1: Message Writing	
Section 1-3-1-1: Writing a Naval Message	2.0 hrs
Homework/Read Ahead Assignments:	
CBT Lesson(s): DH Admin, Naval Messages	1.0 hr
Topic: Naval Messages, slides 1 to 33	
Required Reading: NWP 1-03.1 series, Review Table of Contents, read Ch 4, Ch 7.4. Skim other areas for familiarity.	
NATO MSG Catalogue, APP-11 series; review Table of Contents, skim other areas for familiarity.	
OPNAVINST 3100.6J; read pp 1-6, Chaps 1 & 2, Ch 5	
Lesson 1-3-2: Ship Awards	
Section 1-3-2-1 Ship Award Nominations	1.0 hr
Homework/Read Ahead Assignments:	
CBT Lesson(s): NA	
Required Reading: COMNAVSURFORINST 3502.1D Ch1, App B	1.0 hr

Lesson 1-3-3: Personal Awards			
Section 1-3-3-1: Personal Award Nominations			1.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading: SECNAVINST 1650.1H (Table of Contents, Chapter 1)			
Lesson 1-3-4: Legal Processes			
Section 1-3-4-1: Investigation, Judicial Processes, and Nonjudicial Punishment			2.0 hrs
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
Section 1-3-4-2: Personal Conduct and Administrative Separations			2.0 hrs
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
Lesson 1-3-5: Career Counseling - Retention			
Section 1-3-5-1: Providing Career Counseling			2.0 hrs
Homework/Read Ahead Assignments:			
CBT Lesson(s): DH Administration			
Topic: Advancement, Reenlistment, Commissioning; slides 34 to 92			2.0 hrs
Required Reading:			
Lesson 1-3-6: Fitness Reports and Evaluations			
Section 1-3-6-1: Writing a Fitness Report or Evaluation			2.0 hrs
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading: BUPERSINST 1610.10A, pp1-6, Encl 1.			
NAVADMIN 083/10			
Lesson 1-3-7: Manpower			
Section 1-3-7-1 Navy Total Force Manpower Policies and Procedures			2.0 hrs
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			
Lesson 1-3-8: DH Admin Seminar			
Section 1-3-8-1: DH Admin Seminar (when available)			2.0 hr
Homework/Read Ahead Assignments:			
CBT Lesson(s): NA			
Required Reading:			

Operational Readiness, Training and Engineering									
Group 1: Core									
Module 1: Training Management									
Updated 16 March 2010									

Lesson 1-1-3 TORIS/TFOM			
	Section 1-1-3-1 TORIS/TFOM		1.0 hr
	Homework/Read Ahead Assignments:		
		COMNAVSURFORINST 3502.1D CH-1 (SFTM) (CHAPTER 1 pages 1-1 to 1-15)	
		Surface Force Training Manual Link:	
		SFTM	
	CBT Lesson(s):		
		None	
	Suggested Reading / Viewing:		
		None	
Lesson 1-1-4 TORIS/TFOM Lab			
	Section 1-1-4-1 TORIS/TFOM Lab		1.5 hrs
	Homework/Read Ahead Assignments:		
		TORIS/TFOM will be used throughout the FRTP. TORIS provides the data for Fleet View that is accessible to a wide audience. Fleet View is accessed through TORIS via the ATG extranet at: https://toris.atgpac.navy.mil/atgpac/login.asp	
	CBT Lesson(s):		
		None	
	Suggested Reading / Viewing:		
		None	
Lesson 1-1-5 FLTMS			
	Section 1-1-5-1 FLTMS		1.0 hr
	Homework/Read Ahead Assignments:		
		References	
	CBT Lesson(s):		
		None	
	Suggested Reading / Viewing:		
		None	
Lesson 1-1-6 Scenario Development			
	Section 1-1-6-1 Scenario Development Process		2.0 hr
	Homework/Read Ahead Assignments:		
		None	
	CBT Lesson(s): Training Management		
		Scenario Development: slides 33 to 95	1.5 hrs
	Suggested Reading / Viewing:		
		ATG Training Team Hand Book	
		ATG Complexity Matrix	
Lesson 1-1-7 Quarterly Training Plan (QTP) Development			
	Section 1-1-7-1 QTP		1.0 hr
	Homework/Read Ahead Assignments:		
		None	
	CBT Lesson(s):		
		None	
	Suggested Reading / Viewing:		
		Quarterly Training Plan Example (located in Ref Folder)	

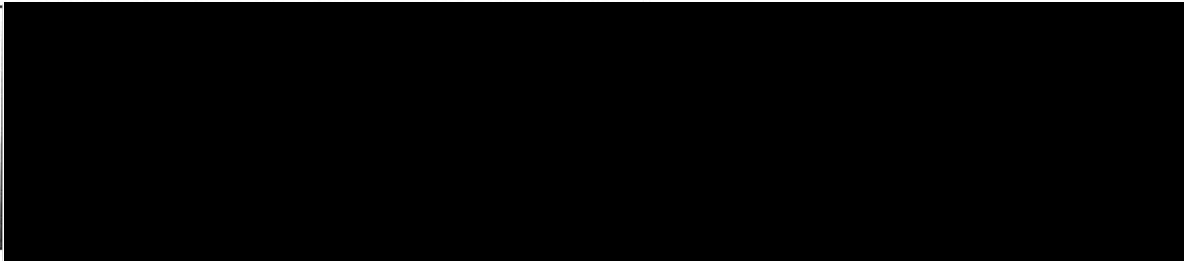
Lesson 1-1-8 Level of Knowledge Exam (LOK) Database Development and Implementation			
	Section 1-1-8-1 LOK Development/Implementation		1.0 hr
	Homework/Read Ahead Assignments:		
	ATG LOK Database:		
	Login to the "lokpractice" application using "traino" as the username and "welcome" as the password (case sensitive)		
	CBT Lesson(s):		
	None		
	Required Reading:		
	LOK Practice Program User Guide located in the ATG LOK Database link above.		
Lesson 1-1-9: Shipboard Training Teams (SBTT)			
	Section 1-1-9-1: SBTT		1.0 hr
	Homework/Read Ahead Assignments:		
	CBT Lesson(s): Training Management		
	Training Teams: Slides 1-32		
	Required Reading:		
	ATG Training Team Handbook		
Lesson 1-1-10: ATG Tool Box Website Overview			
	Section 1-1-10-1: ATG Tool Box Website Overview		1.0 hr
	Homework/Read Ahead Assignments:		
	CBT Lesson(s): NA		
	Required Reading: N/A		
Lesson 1-1-11: Training Management Seminar			
	Section 1-1-11-1: Training Management Seminar (when available)		2.0 hr
	Homework/Read Ahead Assignments:		
	CBT Lesson(s): NA		
	Required Reading:		
Lesson 1-1-12 Trng Management Exam Review			
	Section 1-1-12-1 Training Management Exam Review		1.0 Hr
Lesson 1-1-13: Trng Management Exam			
	Section 1-1-13-1: Training Management Exam		2.0 hrs

Operational Readiness, Training and Engineering

Group 2: Billet Specialty

Module 3: First Lieutenant

Updated 12 February 2010



Homework: Assignments are required to be completed prior to the convening of the first class of the day. Check on learning quizzes will be administered in

Course Grade Weighting:

Check on Learning (COL) Quizzes		20%
Billet Specialty Exam		80%

1st LT Links:

1st LT TGs: [Student Training Guides](#)

ORT&E References: [References](#)

Trainee Materials [Materials & Additional References](#)

Group 2: Billet Specialty

Module 3: First Lieutenant

Lesson 2-3-1: Deck Department Organization

Section 2-3-1-1: Deck Department Organization

Time Req.

0.5 hrs

Homework/Read Ahead Assignments:

CBT Lesson(s): NA

Required Reading:

Lesson 2-3-2: Embarkation

Section 2-3-2-1: Embarkation

2.0 hrs

Homework/Read Ahead Assignments:

CBT Lesson(s): NA

Required Reading:

Lesson 2-3-3: Wet Well Operations

Section 2-3-3-1: Wet Well Operations

2.0 hrs

Homework/Read Ahead Assignments:

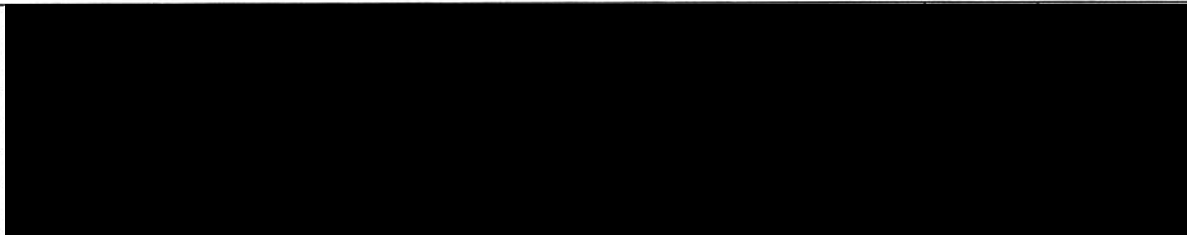
			CBT Lesson(s): NA	
			Required Reading:	
			Lesson 2-3-4: Managing Deck Department Programs	
			Section 2-3-4-1: Seamanship Training Team	1.0 hr
			Homework/Read Ahead Assignments:	
			CBT Lesson(s): Training Management; Shipboard Training Teams; slides 1 to 32	1.0 hr
			Required Reading:	
			Section 2-3-4-2: Aviation Readiness Qualification and Aviation Facility Certification	1.0 hr
			Homework/Read Ahead Assignments:	
			CBT Lesson(s): NA	
			Required Reading:	
			Section 2-3-4-3: Cargo Handling Equipment	1.0 hr
			Homework/Read Ahead Assignments:	
			CBT Lesson(s): NA	
			Required Reading:	
			Lesson 2-3-5: Life Saving Equipment	
			Section 2-3-5-1: Life Saving Equipment	1.0 hr
			Homework/Read Ahead Assignments:	
			CBT Lesson(s): NA	
			Required Reading:	
			Lesson 2-3-6: Mentoring	
			Section 2-3-6-1: Mentoring	1.5 hrs
			Homework/Read Ahead Assignments:	
			CBT Lesson(s): NA	
			Required Reading:	
			Lesson 2-3-7: First Lieutenant Seminar	
			Section 2-3-7-1: 1st LT Seminar	2.0 hrs
			Homework/Read Ahead Assignments:	
			CBT Lesson(s): NA	
			Required Reading:	
			Lesson 2-3-8: Billet Specialty Review	
			Section 2-3-8-1: CSO/WEPS, OPS Officer, 1st LT Lesson Review	2.0 hrs
			Lesson 2-3-9: Billet Specialty Exam	
			Section 2-3-9-1: Billet Specialty Exam	2.0 hrs

Operational Readiness, Training and Engineering

Group 2: Billet Specialty

Module 1: Combat Systems Officer/Weapons Officer

Updated 12 February 2010



Homework: Assignments are required to be completed prior to the convening of the first class of the day. Check on learning quizzes will be administered in the morning, as delineated in the class schedule. Quizzes cover the assigned homework, required reading and Computer Based Training assignments for that day, and may draw from previous instruction.

Course Grade Weighting:

Check on Learning (COL) Quizzes		20%
Billet Specialty Exam		80%

CSO/Weps Links:

CSO/ Weps TGs:	Student Training Guides	
ORT&E References:	References	
Trainee Materials	Materials & Additional References	
CBTs	CBTs: ORT&E; Training Management	

Group 2: Billet Specialty

Module 1: CSO/WEPS Officer		
Lesson 2-1-1: Sensors		Time Req.
Section 2-1-1-1: Radar Antenna Maintenance		1.0 hr
Homework/Read Ahead Assignments:		
CBT Lesson(s): NA		
Required Reading:		
Section 2-1-1-2: ASW Readiness		1.0 hr
Homework/Read Ahead Assignments:		
CBT Lesson(s): NA		
Required Reading:		
Lesson 2-1-2: Weapons		
Section 2-1-2-1: Close-In Weapon System		1.0 hr
Homework/Read Ahead Assignments:		
CBT Lesson(s):		1.0 hr
Required Reading:		
Section 2-1-2-2: Launcher Maintenance		1.0 hr
Homework/Read Ahead Assignments:		

			CBT Lesson(s): NA	
			Required Reading:	
			Section 2-1-2-3: Weapon System Alignment	1.0 hr
			Homework/Read Ahead Assignments:	
			CBT Lesson(s): NA	
			Required Reading:	

			Lesson 2-1-3: Command and Control	
			Section 2-1-3-1: Communications	2.0 hrs
			Homework/Read Ahead Assignments:	
			CBT Lesson(s): NA	
			Required Reading:	
			Installations	1.0 hrs
			Homework/Read Ahead Assignments:	
			CBT Lesson(s): NA	
			Required Reading:	
			CNSP/CNSLINST 4720 3A (C5I Alts Guidance)	
			Section 2-1-3-3: System Operability Tests and Tactical Data Link Operational Verifications	1.0 hrs
			Homework/Read Ahead Assignments:	
			CBT Lesson(s): NA	
			Required Reading:	
			Lesson 2-1-4: Maintenance Administration	
			Section 2-1-4-1: Electronics Maintenance	1.0 hr
			Homework/Read Ahead Assignments:	
			CBT Lesson(s): NA	
			Required Reading:	
			Lesson 2-1-5: Ammunition Administration	
			Section 2-1-5-1: Ammunition Administration	1.0 hrs
			Homework/Read Ahead Assignments:	
			CBT Lesson(s): CSO/WEPS; Ammunition Admin, slides 1-35	1.0 hr.
			Required Reading:	
			Lesson 2-1-6: Ammunition Handling and Stowage	
			Section 2-1-6-1: Ammunition Handling and Stowage	1.0 hrs
			Homework/Read Ahead Assignments:	
			CBT Lesson(s): CSO/WEPS; Ammunition Handling and Stowage, slides 36 to 73	1.0 hr.
			Required Reading:	
			Lesson 2-1-7: Ammunition Onload, Offload, and Transfer	
			Section 2-1-7-1: Receipt Inspection Requirements	0.5 hrs
			Homework/Read Ahead Assignments:	
			CBT Lesson(s): NA	
			Required Reading:	
			Section 2-1-7-2: Evolutions	1.0 hrs
			Homework/Read Ahead Assignments:	

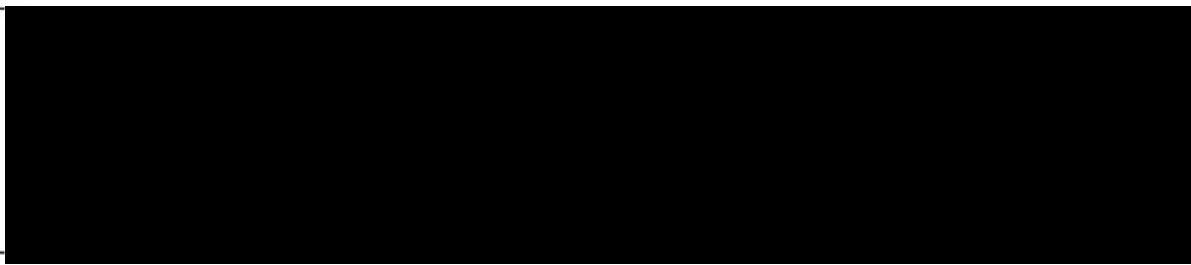
			CBT Lesson(s): NA	
			Required Reading:	
			Section 2-1-7-3: Qualification and Certification Programs	0.5 hrs
			Homework/Read Ahead Assignments:	
			CBT Lesson(s): NA	
			Required Reading: COMNAVSURFFORINST 3502.1D, Ch 1, Tabs C, D, O, P, Q, R, U, X	2.0 HRS
			Lesson 2-1-8: Training and Exercises	
			Section 2-1-8-1: Inport Training	1.0 hrs
			Homework/Read Ahead Assignments:	
			CBT Lesson(s): CSO/WEPS; Training and Exercises, slides 74 to 106	1.0 hr.
			Required Reading: COMNAVSURFORINST 3502.1D, Ch 1; SFTM, Appendix A, Training Admin	1.0 hr
			Section 2-1-8-2: At-Sea Training	1.0 hrs
			Homework/Read Ahead Assignments:	
			CBT Lesson(s): NA	
			and Equivalencies	1.0 hr
			Lesson 2-1-9: CSO/WEPS Seminar	
			Section 2-1-9-1: CSO/WEPS Seminar	2.0 hrs
			Homework/Read Ahead Assignments:	
			CBT Lesson(s): NA	
			Required Reading:	

Operational Readiness, Training and Engineering

Group 2: Billet Specialty

Module 2: Operations Officer

Updated 10 March 2010



Homework: Assignments are required to be completed prior to the convening of the first class of the day. Check on learning quizzes will be administered in the morning, as delineated in the class schedule. Quizzes cover the assigned homework, required reading and Computer Based Training assignments for that day, and may draw from previous instruction.

Course Grade Weighting:

Check on Learning (COL) Quizzes		20%
Billet Specialty Exam		80%

OPS Officer Links:

OPS Officer TGs: [Student Training Guides](#)

ORT&E References: [References](#)

Trainee Materials: [Materials & Additional References](#)

Group 2: Billet Specialty

Module 2: Operations Officer

Lesson 2-2-1: Deck Auxiliaries

Section 2-2-1-1: Deck Machinery

Time Req.

1.5 hrs

Homework/Read Ahead Assignments:

CBT Lesson(s): NA

Required Reading:

Section 2-2-1-2: Standard Tensioned Refueling Alongside Method Maintenance

1.0 hr

Homework/Read Ahead Assignments:

CBT Lesson(s): NA

Required Reading:

Section 2-2-1-3: Small Boats

1.5 hrs

Homework/Read Ahead Assignments:

CBT Lesson(s): NA

		Required Reading:	
		Section 2-2-1-4: Certifying Aviation Facilities	1.5 hrs
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		Section 2-2-1-5: Helicopter Operations	1.0 hr
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		Section 2-2-1-6: Amphibious Auxiliaries	1.0 hr
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		Lesson 2-2-2: SLQ-32, Super Rapid Bloom Offboard Countermeasure, and NULKA Maintenance	
		Section 2-2-2-1: SLQ-32, Super Rapid Bloom Offboard Countermeasure, and NULKA Maintenance	1.0 hr
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		Lesson 2-2-3: Operations Department Organization and Common References	
		Section 2-2-3-1: Operations Department Organization and Common References	1.0 hr
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		Lesson 2-2-4: Web Site Resources	
		Section 2-2-4-1: Web Site Resources	1.0 hr
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		Lesson 2-2-5: Ship Scheduling	
		Section 2-2-5-1: External Ship Scheduling	1.5 hrs
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		Section 2-2-5-2: Internal Ship Scheduling	2.5 hrs
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		Section 2-2-5-3: Underway Scheduling	4.0 hrs
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		Lesson 2-2-6: Organizing and Executing Meetings under Your Cognizance	
		Section 2-2-6-1: Organizing and Executing a Planning Board for Training Meeting	1.0 hrs
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		Section 2-2-6-2: Organizing and Executing an Operations and Intelligence Brief	1.5 hrs

		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		Lesson 2-2-7: Managing Programs under Your Cognizance	
		Section 2-2-7-1: Managing the Safety Program	1.0 hr
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		Section 2-2-7-2: Managing Operations Evolutions	4.0 hrs
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		Lesson 2-2-8: Mentoring	
		Section 2-2-8-1: Mentoring	1.5 hrs
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	
		Lesson 2-2-9: Operations Officer Seminar	
		Section 2-2-8-1: Operations Seminar	2.0 hrs
		Homework/Read Ahead Assignments:	
		CBT Lesson(s): NA	
		Required Reading:	

